

INTERNATIONAL METEOROLOGY.

Storms at Sea—September 2nd and 3rd, 200 miles west of Cape Horn, NW. hurricane, lasting 8 hours, then shifting to SE., and lasting 36 hours; 11th, off Cape Horn, fearful gale from WSW.; 28th, lat. 17° 15' N., long. 85° 25' W., N. hurricane and very high sea from E. October 13th, off Cape of Good Hope, W. gale, lasting 30 hours; lat. 49° 40' N., long. 15° 30' W., terrific SW. to NW. gale; 14th, 39° 30' N., 53° 20' W., SE. to NW. hurricane, lasting 12 hours; 49° 39' N., 11° 7' W., S. to NW. hurricane, lasting 12 hours, barometer 28.70; 16th, 43° 36' N., 45° 8' W., W. hurricane, barometer 29.45; 44° 30' N., 54° W., NNW. and W. hurricane, lasting 3 days; 17th, 39° 14' N., 56° 8' W., ESE. hurricane, lasting 4 hours; 42° N., 52° W., gale; 45° 30' N., 38° 22' W., WSW. hurricane, barometer 29.47; 40° N., 54° W., NW. hurricane; 41° 50' N., 49° W., SW. hurricane, continuing during the 18th and 19th, barometer at 4 p. m., 18th, 28.4; 18th, 48° 30' N., 42° 40' W., S. to NW. hurricane, lasting 19 hours; 19th, St. Lawrence Bay, Arctic Ocean, heavy gale; 47° N., 29° W., very heavy N. by E. gale; 21st, 45° N., 179° 30' W., W. gale, barometer 29.15; 29th, 47° 40' N., 36° W., very severe SW. gales. Nov. 10th, coast of Honduras, hurricane; 11th, 55° N., 15° W., hurricane; 12th, 41° 48' N., 53° W., strong NNE. gale, very heavy sea; 15th, 50° 40' N., 13° 20' W., heavy SW. to WNW. gale, very heavy squalls and high seas; 16th, Orkney Islands, S. to W., hurricane; 17th, North Uist, Scotland, NW. gale; 18th, 50° N., 18° W., strong gale; 35° 37' N., 60° 40' W., very heavy sea, sweeping decks; 19th, Crooked Island Passage, Bahama Islands, heavy N. gale; about 40° N. 50° W., strong hurricane; 21st, 48° 46' N., 36° 17' W. heavy NW. to NNE. gale and sea, lasting 24 hours; 25th, 36° N., 74° 50' W., fearful wind, with heavy squalls; 8° N., 44° W., very heavy thunder-storm from E. Dec. 2nd, 30° N., 77° W., and 48° 30' N., 39° 54' W., NW. gales; 48° 11' N., 45° 12' W., SW. strong gales; 3rd, 19° 03' N., 105° 18' W., heavy squalls, rain, thunder and lightning; 35° 5' N., 58° 15' W., strong NE. gale; 4th, 24° 30' N., 80° 26' W., heavy SE. gale; 5th, 33° N., 73° 30' W., heavy S. gale, lasting 24 hours, followed by violent NW. gales; 28° 42' N., 72° 56' W., heavy SSE. gale, lasting until the 7th, barometer 29.80; 6th, 48° 08' N., 36° 44' W., and 51° 20' N., 13° 07' W., NW., gales; 32° 35' N., 76° 42' W., and 37° N., 69° W., heavy SE., and SSE., gales; 7th, 43° 03' N., 60° 02' W., and 46° 45' N., 43° 16' W., strong westerly gales; 47° 17' N., 42° 18' W., SW., storm; 51° 07' N., 19° 42' W., strong NW., gale; 8th, 49° 37' N., 47° 42' W., heavy west gale; 46° 42' N., 46° 28' W., and 50° 51' N., 26° 36' W., strong NW., gales; 9th, 48° 08' N., 33° 51' W., very heavy NW., squalls and tremendous sea; 10th, 51° 18' N., 18° 34' W., strong WSW. gale; 48° 10' N., 39° 12' W., heavy NW. to SW. hurricane-like gale; 49° 24' N., 15° 42' W., NW. storm. 11th, 50° 48' N., 20° 10' W. and 49° 23' N., 22° 39' W., strong W. and NW. gales; 47° 03' N., 44° 58' W., N. gale; 41° 30' N., 65° 32' W., NW. gale; 50° 44' N. 19° 35' W., strong SW. gale. 12th, 50° 12' N., 24° 46' W., strong NW. gale; 32° 50' N., 71° W., heavy SW. gale, lasting 12 hours. 13th, 49° 33' N. 28° 32' W., strong NW. to S. gale. 14th, 48° 56' N., 32° 35' W., strong SW. to W., gale; 45° 59' N., 53° 15' W., SW., hurricane lasting 5 hours; 41° 46' N., 62° 25' W., strong NW. gale. 15th, 40° 32' N., 68° W., N. gale. 18th, 49° 28' N., 34° 45' W., and 47° 40' N., 44° 18' W., heavy west gales. 22nd, 40° 46' N., 63° 23' W., NW. gale with hail and snow squalls.

Earthquake Shocks—were felt October 9th, in Peru; October 12th, Isthmus of Panama; November 18th, Bermuda Islands, at 5 a. m.

TEMPERATURE OF THE AIR.

The isothermal lines and figures upon chart No. II illustrate the general distribution of the temperature of the air for the present month. A reference to the table upon the same chart will show that the average is above that for many years in all the districts, and decidedly so from the Missouri valley to the Lakes, Ohio valley and Tennessee, being 20° above the average in Minnesota. Along the Pacific coast and at the Rocky Mountain stations it has been only slightly above the average. Under the heads of Ice, Navigation and Miscellaneous Phenomena will be seen the effect of these high averages.

Maximum and minimum temperatures, respectively, for the month are—in Maine, at Cornish, 1°, 48°; Surrey, 8°, 55°. New Hampshire, Mt. Washington, —13°, 39°; Auburn, 7°, 56°. Vermont, Woodstock, —2°, 51°; West Charlotte, 13°, 55°. Massachusetts, Boston, 4°, 59°; Rowe, 10°, 46°. Rhode Island, Chepachet, 12°, 60°; Newport, 19°, 57°. Connecticut, Colebrook, 7°, 53°; New Haven, 15°, 60°. New York, Palermo, —4°, 49°; Rochester, 16°, 58°; New York City, 22°, 61°. New Jersey, Vineland, 19°, 61°; Atlantic City, 18°, 64°; Salem, 22°, 70°. Pennsylvania, Franklin, 14°, 54°; New Castle, 27°, 68°; Philadelphia, 22°, 63°. Delaware, Milford, 19°, 66°; Dover, 21°, 64°. Maryland, Woodstock, 15°, 63°; New Market, 20°, 68°. District of Columbia, Washington, 21°, 66°. Virginia, Snowville, 12°, 64°; Wytheville, 13°, 73°; Capeville, 29°, 65°. West Virginia, Helvetia, 13°, 64°. North Carolina, Franklin, 10°, 67°; Weldon, 21°, 77°; Wilmington, 25°, 73°. South Carolina, Spartanburg, 18°, 67°; Aiken, 20°, 70°. Georgia, Atlanta, 10°, 73°; Forsyth, 23°, 74°; Tybee Island, 31°, 72°. Florida, Fort Barrancas, 18°, 72°; Houston, 22°, 77°; Key West, 54°, 81°. Alabama, Green Spring, 15°, 70°; Mobile, 26°, 73°. Mississippi, Brookhaven, 20°, 72°; Vicksburg, 23°, 73°. Louisiana, Shreveport, 22°, 74°; Baton Rouge Barracks, 28°, 78°. Texas, Mason, 14°, 69°; Denison, 23°, 68°; Indianola, 33°, 77°. Indian Territory, Fort Gibson,